Trust is an essential element in the relationship between a professional and the public.  List the main factors on which this trust is based:  1) honesty motivation	
3) competence/ability	)
2.2) Which of the following can be considered a learned professional according to the definition used in this course and notes (circle the correct answer(s)):	
Clergyperson	1
Baseball player	
Nurse	/
Pro golfer	
6 2,3) Engineering is a self-regulating profession. The Association has the responsibility,	
among other things, to discipline members for two types of infractions. Name the two types and briefly describe an example of each.	
noting a profession of recommendation that is blatestly wrom	bn a
maxing a protession of seconmendation that is blatestly wrom	9
2) Professional Misconduct (EX Doing Samething to townist	, the
reputation of engineerstike stating at a press conterence	tha
reputation of engineerstike Stating at a press conference public safety wasn't a concernwhenitalways should be	5
2 2 4) A "conflict of interest" is best described as:	
a) situations in which two or more moral obligation's, duties, rights or ideals come into conflict with one another and it appears that not all of them can be respected.	
b) situations in which one's moral values are questioned or are in dispute.	
c) situations in which the application of science in the use of natural resources come into conflict with the environment.	2
d) an interest that, if pursued, will prevent a professional from meeting his/her obligations	
e) all of the above.	
2 2.5) Moral Dilemmas are best described as	1 /
a) situations in which two or more moral obligation's, duties, rights or ideals come into conflict with one another and it appears that not all of them can be respected.	
b) situations in which one's moral values are questioned or are in dispute.	
<ul> <li>situations in which the application of Science in the use of natural resources come into conflict with the environment.</li> </ul>	
d) interests that, if pursued, will prevent a professional from meeting his/her obligations	
e) all of the above.	

X

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- A process which tries to answers questions such as: "is the product worth the risk?", "what are the benefits?" and "who benefits?", is called a TISK - benefit analysis.
- 2.7) Situation: A former employee of a Consulting firm starts a new business called "Sam's Engineering and Design Emporium". Their line of business is design of commercial buildings worth less than \$30,000. The new company does not hold a Certificate of Authorization, nor do they employ any licensed P.Engs. What part(s) of the EGP act are they violating? Comment briefly.

Engineering" without written they are professional engineers

List and briefly describe two types of loyalty that may be exhibited by a employee.

1) Agency lay afty - fulfilling your duty to your employer.
2) Identification loyalty - personally "identifying" with the 3 organization a has more to do with attitudes femilians than actions

- 2.9) The firm of Elstaff and Hikkenboth specialize in the making of electronic light sensors. The design and operation of their various models are kept confidential. The first product, (A), developed by Elstaff was patented some 25 years ago.
  - a) How does the patent on product (A) protect Elstaff and Hikkenboth from use of their design by other companies?

Only Do year protection in Canada but potentially it, we legally prohibit other companies from using their design

b) A second device, (B), was developed by Hikkenboth also 25 years ago, but the operation of the device is known only by Elstaff and Hikkenboth and a few of the mangers. The information about device (B) is called a trade

Use the "line drawing" method to help analyze the moral dilemma faced by university students who are tempted to copy or "borrow from" other's assignments to varying degrees. Generate 3 or 4 alternatives in addition to the positive and negative paradigms given below. Place the alternatives on your line drawing and indicate where you would "draw the line" between acceptable and unacceptable behavior.

Negative paradigm (NP): Copy all assignments and claim for yourself

Positive paradigm (PP): Never copy or lend any assignments

I would brefer to have questions explained to meth of I co Solve So = know how to do them.

year design project. For each element, show which "role" of a code of ethics it satisfies.

Code	Role
· The object of this design project	Inspiration and
proficiency and competency of the	guidance
proficiency and competency of the	+
group members,	
of the destan from extern a source	SHPPORT
of the design from external source	\$
ispishibited and must be reporte	d
to the group a	
· Each group member is responsible	Education and
for the completion of their assigned	+mut ua
portion of the project.	z witherstanding
at an man learning	
· Topromote learning	Deterrence and
too much "outside" help will result in a lower mark for group contribution	- discipline
From other group mem bers.	
· Group members shall conduct	Centribute to
· Homselves in a profession a	de mater
themselves in a profession a manner during all activities related	the professions
Intelesian project such as 100	Public image
presentations on a design meetings	,, 

Student #: \_\_9b/0/6

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3 1x V	Which phrase best defines "rule utilitarianism"?
,A	Moral judgment is based on an individual case by case basis
b	Believes that ethical decisions should be based on maximizing "goodness" (most good for the most people).
	c) One should follow rules that, if generally followed, would produce the most good for the most people.
<i>/</i>	Normal conventions or rules of thumb may be broken if doing so will maximize good in a given situation.
2 1,2) V	Which of the following phrases best describes "duty ethics"?
/ (a	Ethical actions can be written down as a list of obligations
/ /b	Based on maximizing goodness – "the most good for the most people".
/ .	The basis of social welfare philosophy
d	Assumes ethical behaviour follows from personal traits or characteristics.
2 1.3) v	Which of the following phrases best describes "rights ethics"?
Æ	Ethical actions can be written down as a list of obligations
,b	Based on maximizing goodness – "the most good for the most people".
(6	The basis of social welfare philosophy
فر	Assumes ethical behaviour follows from personal traits or characteristics.
2 1.4) V	Which of the following phrases best describes "virtue ethics"?
_a	Ethical actions can be written down as a list of obligations
طر /	Based on maximizing goodness - "the most good for the most people".
ء /	The basis of social welfare philosophy
	) Assumes ethical behaviour follows from personal traits or characteristics.
·	
	t is claimed that designing a safer product does not necessarily make the overall product osts higher.
a	) Give two reasons why this may be true.
	1) If it prevents having to fix it later overall the product will 2) Preventing potential lawsaits by making it safer. Cheap
6	2) Freventing potential lawsaits by making it sater.
b	Give a reason why it may be false.
	1) You spend a lot more money on a product to make it Stater after a certain regsonable point.
(15)	

1.87 It has been stated that you cannot rely on codes and standards alone to design a safe product. Explain why this may be so.  You need to generate at the affection of the provide a contract to a company of an attest thuse to the provide a contract to a company of a design is also be your creatively imaginative side.  If I am a volunteer on a board of directors and I vote to provide a contract to a company I own, then I am in an actual apparent/potential conflict of interest.  If I am a volunteer on a board of directors and it is possible that in the future, one of the possible bidders is a company that I work for, then I am in an actual apparent/potential conflict of interest.  If I am a volunteer on a board of directors and a bid is given to a company I work for but I am not present for the vote, then I am in an actual apparent potential conflict of interest interest.  If I am a volunteer on a board of directors and a bid is given to a company I work for but I am not present for the vote, then I am in an actual apparent potential conflict of interest interest of the work and a bid is given to a company I work for but I am not present for the vote, then I am in an actual apparent potential conflict of interest of the world: one that seriously threatens the lives of your immediate family (say a car accident), and the other where an imminent explosion could wipe out a good portion of a city block potentially killing hundreds of innocent citizens and causing extensive damage. Even with your super powers, you can only make it to one of the locations in time to prevent a disaster. Briefly analyze this situation from the perspective of two different ethical theories that would lead to conflicting decisions about which course to take.  An act will take any world save the hundreds of the prevent and the prevent				
If I am a volunteer on a board of directors and I vote to provide a contract to a company I own, then I am in an actual apparent / potential conflict of interest.  If I am a volunteer on a board of directors and it is possible that in the future, one of the possible bidders is a company that I work for, then I am in an actual / apparent / potential conflict of interest  If I am a volunteer on a board of directors and a bid is given to a company I work for but I am not present for the vote, then I am in an actual / apparent) potential conflict of interest  If I am a volunteer on a board of directors and a bid is given to a company I work for but I am not present for the vote, then I am in an actual / apparent) potential conflict of interest  If I am a volunteer on a board of directors and a bid is given to a company I work for but I am not present for the vote, then I am in an actual / apparent) potential conflict of interest  II 1.10) Assume that you have the capabilities of the fictional character "Super[wo]man", except that you cannot "spin the earth backwards" to go back in time. Assume further that you are aware of two simultaneous situations in two different parts of the world: one that seriously threatens the lives of your immediate family (say a car accident), and the other where an imminent explosion could wipe out a good portion of a city block potentially killing hundreds of innocent citizens and causing extensive damage. Even with your super powers, you can only make it to one of the locations in time to prevent a disaster. Briefly analyze this situation from the perspective of two different ethical theories that would lead to conflicting decisions about which course to take.  An act will that an would save the handreds of the most good for the most people in this case.  An act will that an would save their family it one of the locations in time to prevent a disaster. Briefly analyze this situation from the perspective of two different ethical theories that would lead to conflicting decisions about w	_	4	1.6)	product. Explain why this may be so.
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Strangers.		5 2		good for the most people in this case,  A rue still+wian would save their tamily if  one of their moral rules was that everyone should  protect their family and triends for emost before
				STRANGETS.

-(13)

1.11) You are a professional engineer employed by a consulting engineering firm. Your immediate supervisor is also a professional engineer. You have the occasion to check into the details of an invoice done on the project for which your supervisor is also the project manger, but on which you and members of the staff have done work.

You are surprised to see how much your time and the time of one of the senior engineers who report to you are charged to the job. You decide to check further by reviewing the appropriate time sheets. The time sheets show that time charged to other work has deliberately transferred to this job. You try to raise the subject with your boss but are rebuffed. You are quite sure something is wrong, but are not sure where to turn. You turn to the code of ethics for direction

Describe the ethical dilemma. Describe the main issues that have to be resolved using the following categorized: Factual, Normative (moral) and Conceptual

Factual 1/2	*You need to determine exact ly how much time was whanged to this job it possible. *You showd from out how much this time Change has affected the gosts of all the related projects pan'
Normative (moral)	* Need to determine if this practice is morally wrong? (probably since other invoices for eastorners will be gree or changed as well as for this project) * Determine if your duty to your company to report this is stranger than your duty to your Super visor.
Conceptual 3/5	*Does this change of time allecation. Seriously offect other project invoices?  * Isthis transfer of time a serious enough problem to report it to Some one in a higher position than your supervisor?

(8/2)